

Stewart J. Zweben

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Education:

Ph. D. in Physics (1977), Cornell University, Ithaca, NY
B.S. in Physics (1972), Stony Brook University, NY
Undergraduate (1966-69), MIT, Cambridge, Mass.

Research Positions:

Senior Scientist (retired), Princeton Plasma Physics Laboratory (2018-)
Principal Research Physicist, Princeton Plasma Physics Laboratory (1993-2018)
Research Physicist, Princeton Plasma Physics Laboratory (1984-1993)
Senior Research Fellow in Applied Physics, Caltech (1980-1984)
Assistant Research Physicist, UCLA (1977-1980)

Main Research Areas:

Plasma mass filter studies (2012-2018)
Edge turbulence imaging measurements on C-Mod and NSTX (1997-2018)
Alpha particle physics and alpha loss measurements on TFTR (1984-1997)
Plasma turbulence measurements on small tokamaks (1977-1984)
Runaway electrons in the ORMAK tokamak (1974-1977)

Other Activities:

Resident Associate Editor, Physics of Plasmas (2004-2015)
Divisional Associate Editor, Physical Review Letters (2003-2006)
Member, NAS/NRC Plasma Science Committee (2001-2004)
Lecturer, Astrophysical Sciences Dept. of Princeton Univ. (1998-2005)
Head, PPPL Plasma Science and Technology Department (1997-2001)
Member, Fusion Energy Sciences Advisory Committee (FESAC) (1996-1998)
Supervised 3 Ph.D. students in Astrophysical Sciences at Princeton (1991-2001)

Honors:

PPPL Distinguished Research Fellowship (1996)
Fellow of the American Physical Society (1993)

Publications:

First-author of over 60 papers in plasma physics and fusion research.